

This listing of claims replaces all prior versions, and listings of claims in the instant application:

Listing of Claims:

1. (Currently Amended) A ~~scatter/gather list~~ structure comprising:

a plurality of scatter/gather list sections, stored in a memory, comprising a scatter/gather list, wherein at least one scatter/gather list section in said plurality comprises:

a plurality of data elements, wherein each data element comprises:

an end-of-list flag; and
an end-of-section flag.

2. (Original) The scatter/gather list of Claim 1 wherein said end-of-list flag has a same value in said each data element.

3. (Original) The scatter/gather list of Claim 1 wherein said end-of-section flag has a same value in said each data element.

4. (Original) The scatter/gather list of Claim 1 wherein said end-of-section flag has a first value in a last data element in said plurality of data elements, and a second value in all other data elements in said plurality of data elements.

5. (Original) The scatter/gather list of Claim 4 wherein said end-of-list flag has a same value in said each data element.

6. (Original) The scatter/gather list of Claim 4 wherein said end-of-list flag has a first value in said last data element in said plurality of data elements, and a

second value in all other data elements in said plurality of data elements.

7. (Original) The scatter/gather list of Claim 1 wherein said end-of-list flag has a size of one bit.

8. (Original) The scatter/gather list of Claim 1 wherein said end-of-section flag has a size of one bit.

9. (Original) The scatter/gather list of Claim 1 wherein said each data element further comprises:
an address field.

10. (Original) The scatter/gather list of Claim 9 wherein said end-of-list flag, and said end-of-section flag are included within said address field.

11. (Original) The scatter/gather list of Claim 1 wherein said each data element further comprises:
a length field.

12. (Original) The scatter/gather list of Claim 9 wherein said each data element further comprises:
a length field.

13. (Original) The scatter/gather list of Claim 1 wherein said at least one scatter/gather list section further comprises:
a link element comprising:
an end-of-list flag; and
an end-of-section flag.

14. (Currently Amended) A structure ~~scatter/gather list~~ comprising:

a plurality of scatter/gather list sections
comprising a scatter/gather list wherein at least

one scatter/gather list section in said plurality comprises:

a plurality of data elements, wherein each data element comprises:

an end-of-list flag;
an end-of-section flag;
an address field having a data segment address; and

a length field having a data segment length; and

a link element comprising:

an end-of-list flag;
an end-of-section flag; and
an address field having a next list section address.

15. (Currently Amended) A ~~scatter/gather list~~ structure comprising:

a plurality of scatter/gather list sections comprising a scatter/gather list wherein at least one scatter/gather list section in said plurality comprises:

a plurality of data elements, wherein each data element consists of:

an address field comprising:
a data segment address;
an end-of-list flag; and
an end-of-section flag; and

a link element consisting of:

an address field comprising:
a next list section address;
an end-of-list flag; and
an end-of-section flag.

16. (Currently Amended) A structure comprising:

a memory comprising a scatter/gather list comprising a plurality of scatter/gather list sections

wherein at least one scatter/gather list section in
said plurality comprises:

a plurality of data elements wherein each
data element comprises:

an end-of-list flag; and
an end-of-section flag.

17. (Original) The structure of Claim 16 wherein said
at least one scatter/gather list section further comprises:

a link element comprising:

an end-of-list flag; and
an end-of-section flag.

18 (Currently Amended) A structure comprising:

a memory comprising a scatter/gather list
comprising a plurality of scatter/gather list sections
wherein at least one scatter/gather list section in
said plurality comprises:

a plurality of data elements, wherein each
data element comprises:

an end-of-list flag;
an end-of-section flag;

an address field having a data segment
address; and

a length field having a data segment
length; and

a link element comprising:

an end-of-list flag;
an end-of-section flag; and
an address field having a next list
section address.

19. (Currently Amended) A method comprising:

storing a scatter/gather list as a plurality of
sections in a memory, wherein each section includes a
plurality of elements wherein each element comprises:

an address;

an end-of-list flag; and
an end-of-section flag;
setting an end-of-list flag in a last ~~data~~ element
of a last section in said plurality of sections; and
setting an end-of-section flag in at least one of
said plurality of sections other than said last
section.

20. (Currently Amended) The method of Claim 19
wherein said setting an end-of-section flag is performed on
a last ~~data~~ element in said at least one of said plurality
of sections other than said last section.

21. (Original) The method of Claim 19 wherein said
setting an end-of-section flag is performed on a link
element in said at least one of said plurality of sections
other than said last section.